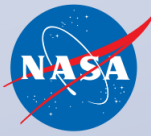


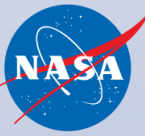
# LARC 20 YEAR REVITALIZATION PLAN



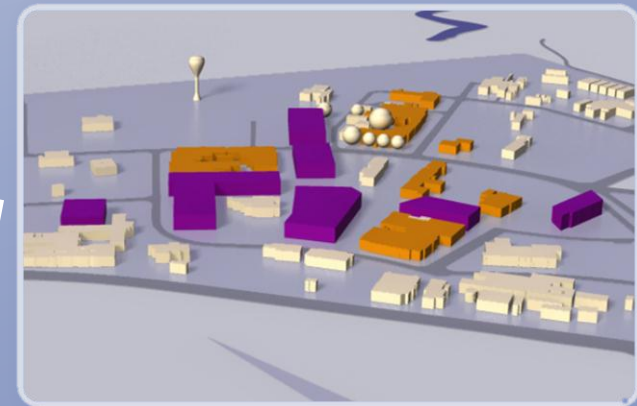
## A Comprehensive Strategy for Facilities and Laboratories



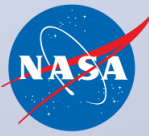
# Center Revitalization Plan Elements



- ❖ Langley's Revitalization Plan represents a cohesive, comprehensive, and integrated plan that charts a path towards a more sustainable infrastructure in support of the Agency Master Plan
- ❖ Incorporates technical roadmaps, core competencies and Agency and Center Master Plans to guide investment/divestment decisions
  - Decadal Studies, National Aeronautics R&D Policy and Plan, Test and Evaluation Infrastructure Plan, and NASA Strategic Plan
  - Agency Master Plan and Center Master Plan
  - NRC and RAND Reports
  - NASA Sustainability Plan
  - Discipline Strategic Plans and Future Facilities Studies
  - LaRC Data Center Consolidation Plan



# Figures of Merit



## ❖ Relevance to the NASA Mission

- Supports Multiple NASA Mission Directorates (current and future)
- Ability to Sustain/Develop Core Competency

## ❖ Utilization

- Usage rates
- Enables our competitiveness/Reimbursable opportunities

## ❖ Cost of Ownership

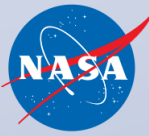
- Maintenance and Utility Costs
- Deferred Maintenance / Facility Condition Assessment (FCA)

## ❖ Linkage to Master Plan (including New Town Strategy)

- Central to Core Campus
- **Sustainability** / Energy Efficiency
- Elevation Based Planning
  - Managed Retreat (especially from the LAFB East Area, North 40)
  - NASA policy on Master Planning and Land Management

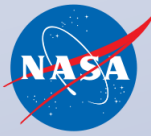


# Overarching Revitalization Decisions

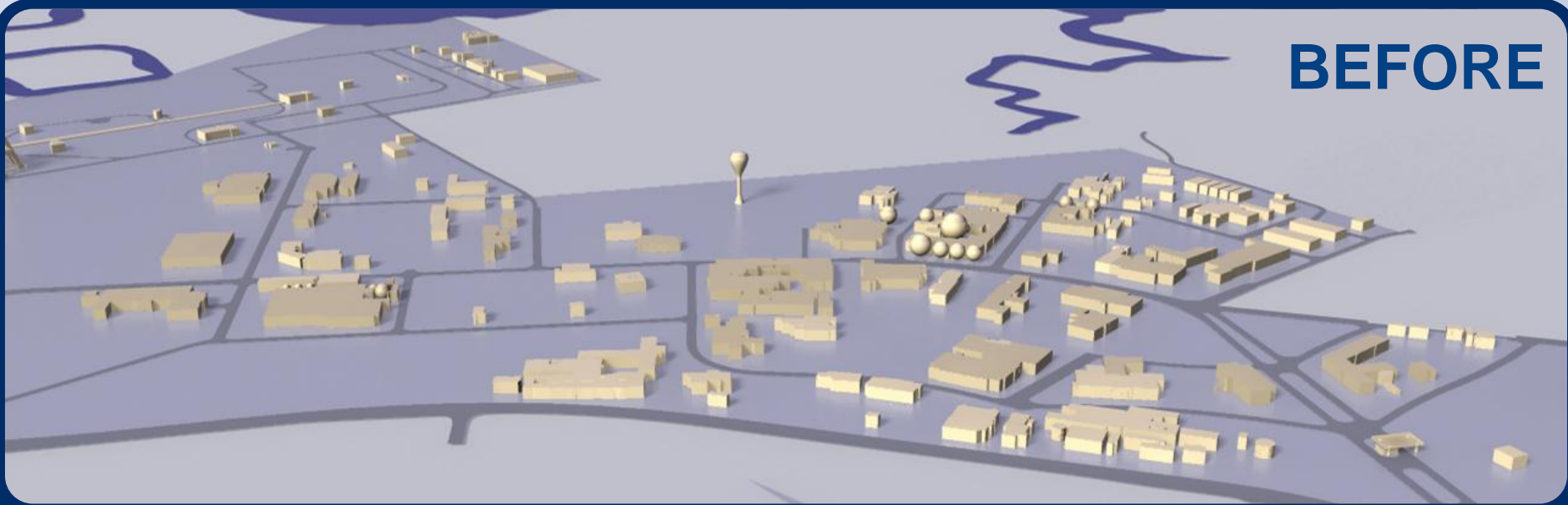


- ❖ Sustain / enhance essential in-house experimental capability
- ❖ Enable multi-disciplinary integrated systems capability
- ❖ Incorporate Computational Simulation as a cross-cutting capability in everything we do
- ❖ Continually assess the needs of NASA's missions and divest of facilities (even large ones) when it no longer makes sense for the mission and the national good

# 20 Year **ViTAL** Transformation



**BEFORE**



**AFTER**



**New** **Rehab**